

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration
Submitted
With Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

| | |
|------------------------|-----------|
| Attorney Docket Number | PCI-10 |
| First Named Inventor | Liang Dai |
| COMPLETE IF KNOWN | |
| Application Number | |
| Filing Date | |
| Art Unit | |
| Examiner Name | |

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FAST VCO CALIBRATION FOR FREQUENCY SYNTHESIZERS

(Title of the Invention)

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? Yes | Certified Copy Attached? No |
|-------------------------------------|---------|----------------------------------|--------------------------|------------------------------|-----------------------------|
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number: OR Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor

| | |
|---|---------------------------|
| Given Name (first and middle [if any]) | Family Name or Surname |
| Liang | Dai |

| | |
|-------------------------|------------|
| Inventor's Signature | Date |
| <i>Liang Dai</i> | 10/13/2003 |

| | | | |
|-----------------------------|-------------|----------------|---------------------------|
| Residence: City Carlsbad | State CA | Country USA | Citizenship P.R. China |
|-----------------------------|-------------|----------------|---------------------------|

Mailing Address

5591 Foxtail Loop

| | | | |
|------------------|-------------|--------------|----------------|
| City Carlsbad | State CA | ZIP 92008 | Country USA |
|------------------|-------------|--------------|----------------|

NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor

| | |
|---|---------------------------|
| Given Name (first and middle [if any]) | Family Name or Surname |
| Jie | Huang |

| | |
|-------------------------|----------|
| Inventor's Signature | Date |
| <i>Jie</i> | 10/13/03 |

| | | | |
|------------------------------|-------------|-------------------|----------------------|
| Residence: City San Diego | State CA | Country U.S.A. | Citizenship China |
|------------------------------|-------------|-------------------|----------------------|

Mailing Address

10615 Dabney Drive, Apt 20.

| | | | |
|-------------------|-------------|--------------|-------------------|
| City San Diego | State CA | ZIP 92126 | Country U.S.A. |
|-------------------|-------------|--------------|-------------------|

Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental SheetPage 1 of 1

| | | | | |
|--|-----------------|---|--------------------|-----------------|
| Name of Additional Joint Inventor, if any: | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | |
| Given Name (first and middle (if any)) | | Family Name or Surname | | |
| KEVIN HSI-HUAI | | WANG | | |
| Inventor's Signature | | | | Date 10/13/2003 |
| Residence: City SAN DIEGO | State CA | Country USA | Citizenship TAIWAN | |
| Mailing Address 13327 ENTREKEN AVE | | | | |
| Mailing Address | | | | |
| City SAN DIEGO | State CA | zip 92129 | Country USA | |
| Name of Additional Joint Inventor, if any: | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | |
| Given Name (first and middle (if any)) | | Family Name or Surname | | |
| HUNG-CHUAN | | PAI | | |
| Inventor's Signature Fan, Hs Chuan | Date 10/13/2003 | | | |
| Residence: City San Diego | State CA | Country USA | Citizenship Taiwan | |
| Mailing Address 10644 Briarlake Woods Dr. | | | | |
| Mailing Address | | | | |
| City San Diego | State CA | zip 92130 | Country USA | |
| Name of Additional Joint Inventor, if any: | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | |
| Given Name (first and middle (if any)) | | Family Name or Surname | | |
| | | | | |
| Inventor's Signature | Date | | | |
| Residence: City | State | Country | Citizenship | |
| Mailing Address | | | | |
| Mailing Address | | | | |
| City | State | Zip | Country | |

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

| | |
|------------------------|---|
| Application Number | |
| Filing Date | |
| First Named Inventor | Liang Dai |
| Title | Fast VCO Calibration for Frequency Synthesizers |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | PCI-10 |

I hereby appoint:

Practitioners associated with the Customer Number:

OR

Practitioner(s) named below:

| Name | Registration Number |
|----------------|---------------------|
| Hung Chang LIN | 28,789 |
| | |
| | |
| | |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number:

OR

The address associated with Customer Number:

| | | | | |
|---|-------------------|-------|--------------|-----------|
| <input checked="" type="checkbox"/> Firm or Individual Name | Hung Chang LIN | | | |
| Address | 8 Schindler Court | | | |
| Address | | | | |
| City | Silver Spring | State | MD | Zip 20903 |
| Country | U.S.A | | | |
| Telephone | 301-44-3571 | Fax | 301-445-3940 | |

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

| | | | | |
|-----------|------------------|------------------|-------------------|-----------------------|
| Name | Liang Dai | Joe Huang | KEVIN WANG | HUNG-CHUAN PAI |
| Signature | <i>Liang Dai</i> | <i>Joe Huang</i> | <i>Kevin Wang</i> | <i>Hung-Chuan Pai</i> |
| Date | Oct 13, 2003 | 10/13/03 | 10/13/03 | Telephone |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.